

AMENDMENT

(Amendment under the provision of Article 11)

Director-General of the Patent Office

1. Identification of the International Application

International Application No. PCT/JP03/16835

2. Applicant

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4. Object to be Amended

Claims

5. Amendments

(1) We added a means for optically integrating light as a component in claim 1 and claim

2. We cancelled claim 3. We made claim 4 to be dependent on claim 1 and 2. We amended claims 6 to 8.

6. List of Attached Documents

Pages 9, 9/1, and 10 of claims

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(1) In claims 1 to 3, we clarified the point that the amount of emitted light is controlled by the number of pieces of light emission out of the light-emitting elements (advantageous for cooling the light-emitting elements). In claim 4, we clarified the point that the three-level determination is performed (simplification of a control system).

In claim 5, we clarified the point that the transmission ratio and reflection ratio of dots are not rendered 100% with regard to the dots of maximum luminance (contrast improvement).

6. List of Attached Documents

Pages 9, 9/1, 10 of claims.

What is claimed is:

1. (Amended) A projection type video display, comprising:

a first solid light source formed of a plurality of solid light-emitting elements that emit a light in red;

a second solid light source formed of a plurality of solid light-emitting elements that emit a light in green;

a third solid light source formed of a plurality of solid light-emitting elements that emit a light in blue;

a display panel for receiving and modulating said lights in colors from said light sources;

a means for optically integrating and guiding the lights in colors emitted from respective solid light-emitting elements to the display panel;

a means for projecting a full color image light formed of said modulated lights in colors;

a light source adjustment means for adjusting an amount of emitted light of said solid light sources by controlling power supplied thereto on the basis of video signal information; and

a means for controlling a driving signal to each display panel so as to correspond to an adjustment of the amount of the emitted lights in respective colors, wherein

said light source adjustment means adjusts an amount of emitted light of each solid light source by controlling the number of the pieces of light emission out of the plurality of solid light-emitting elements and turns off the solid light-emitting elements in a dispersing fashion in said adjustment.

2. (Amended) A projection type video display, comprising:

a first solid light source formed of a plurality of solid light-emitting elements that emit

a light in red;

a second solid light source formed of a plurality of solid light-emitting elements that emit a light in green;

a third solid light source formed of a plurality of solid light-emitting elements that emit a light in blue;

a display panel for receiving and modulating said lights in colors from said light sources;

a means for optically integrating and guiding the lights in colors emitted from respective solid light-emitting elements to the display panel;

a means for projecting a full color image light formed of said modulated lights in colors;

a light source adjustment means for adjusting an amount of emitted light of said solid light sources by controlling power supplied thereto on the basis of video signal information; and

a means for controlling a driving signal to each display panel so as to correspond to an adjustment of the amount of the emitted lights in respective colors, wherein

said light source adjustment means adjusts an amount of emitted light of each solid light source by controlling the number of pieces of light emission out of a plurality of solid light-emitting elements and turns off the solid light-emitting elements orderly from the solid light-emitting elements located on an edge side in said adjustment.

3. (Cancelled)

4. (Amended) A projection type video display according to claim 1 or claim 2, wherein three levels of dark, middle, and bright are determined on the basis of the video signal information, and controls of an amount of light and driving of the display panels are performed by the three levels.

5. (Amended) A projection type video display, comprising:

a first solid light source that emits a light in red;

a second solid light source that emits a light in green;

a third solid light source that emits a light in blue;

a display panel for receiving and modulating said lights in colors from said light sources;

a means for projecting a full color image light formed of said modulated lights in colors;

a light source adjustment means for adjusting an amount of emitted light of said solid light sources by controlling power supplied thereto on the basis of video signal information; and

a means for controlling a driving signal to each display panel so as to correspond to an adjustment of the amount of the emitted lights in respective colors, wherein

a driving control of each display panel is performed in such a manner that an amount of light transmission or an amount of light reflection is not rendered 100 percent with respect to dots of which intensity of respective colors in a 1-frame video is the highest (for example, the dots of which highest value is 50 percent, except for the dots of which highest value is 100 percent), and more specifically, when the highest value of intensity of red color is 50 percent in the 1-frame video, instead of rendering the amount of light transmission 100 percent with respect to the dots of which value of intensity of red color is 50 percent, an amount of light transmission is rendered 70 percent with respect to the dots of which value of intensity of red color is 50 percent and an amount of emitted light of a red color-use illuminating device is rendered 70 percent, for example.

6. (Amended) A projection type video display according to any one of claims 1, 2, 4, and 5, wherein a light in white obtained by combining lights in respective colors from

respective light sources is guided to a single-panel full color display panel as said display panel.

7. (Amended) A projection type video display according to any one of claims 1, 2, 4, and 5, wherein a light in white obtained by combining lights in respective colors from respective light sources is separated, and each of the lights in respective colors is guided to a red color-use display panel, a green color-use display panel, and a blue color-use display panel as said display panel, respectively.

8. (Amended) A projection type video display according to any one of claims 1, 2, 4 and 5, wherein each of the lights in respective colors is guided to the red color-use display panel, the green color-use display panel, and the blue-color use display panel as the light in respective colors.